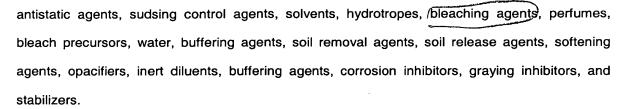
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- 1. A solid polymer film comprising a polymer comprising
 - a) 2 to 60 mole percent of protonated amine monomer units, wherein said protonation is formed by a fixed acid; and
 - b) 40 to 98 mole percent of hydrophobic monomer units.
- The polymer film of claim 1 wherein said hydrophobe monomer units comprise non-protonated amine monomer units.
- 3. The polymer film of claim 1 comprising 5 to 40 mole percent of said protonated amine monomer units.
- 4. The polymer film of claim 1 comprising from 5 to 100 mole percent of at least one amine monomer, including both protonated and non-protonated amines.
- The polymer film of claim 4 comprising from 10 to 40 mole percent of at least one amine monomer, including both protonated and non-protonated amines.
- The polymer film of claim 5 comprising from 10 to 20 mole percent of at least one amine monomer, including both protonated and non-protonated amines.
- 7. The polymer film of claim 1 wherein said fixed acid comprises at least one monofunctional acid.
- 8. The polymer film of claim 1 wherein said hydrophobic monomer comprises meth)acrylates, maleates, (meth)acrylamides, vinyl esters, itaconates, styrenics, unsaturated hydrocarbons and acrylonitrile, nitrogen functional monomers, vinyl esters, alcohol functional monomers, unsaturated hydrocarbons, and C₈-C₂₂ alkoxylated (meth)acrylates.
- 9. The polymer film of claim 8 wherein said hydrophobic monomers comprise methyl methacrylate, ethyl acrylate, and butyl acrylate.
- 10. The polymer film of claim 1 comprising from 60 to 98 mole percent of said hydrophobic monomer units.
- 11. An encapsulated or coated material comprising a material having coated or encapsulated thereon the polymer film of claim 1.
- 12. The encapsulated or coated material of claim 11 wherein said encapsulated material is selected from the group consisting of one or more rinse aids fragrances, anti-wrinkling aids, one or more surfactants, builders, ion exchangers, alkalis, anticorrosion materials, antiredeposition materials, optical brighteners, fragrances, dyes, chelating agents, enzymes, whiteners, brighteners,

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- 5 13. The encapsulated material of claim 11 wherein said encapsulated material is a solid having adsorbed thereon at least one active ingredient.
 - 14. The encapsulated material of claim 13 wherein said solid comprises zeolite, porous microbeads, or a starch.
 - 15. The encapsulated material of claim 11, wherein the weight ratio of said polymer film to said material is from 5:95 to 95:5.
 - 16. A formulation comprising the encapsulated or coated material of claim 11.

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p. 8, 139-30

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- 17. The formulation of claim 16 comprising a laundry detergent, a dishwashing detergent, a personal (care product, a sachet, or a pill or capsule. 424
- 18. The formulation of claim 16 wherein said formulation is a liquid comprising the encapsulated or coated material. リスパイのフェファッチャン
- 19. The formulation of claim 18, wherein said formulation is a liquid laundry detergent, a liquid dishwasher detergent, a sachet, or a personal care product.
- 20. The formulation of claim 16 wherein said formulation is a solid comprising the encapsulated or coated material. 428/402; 462.2 4
- 20 21. A process for the controlled release of a material into an aqueous environment comprising:
 - a) coating or encapsulating said material with the polymer film of claim 1;
 - b) placing said coated/encapsulated material into an aqueous environment under which said polymer film is insoluble; and
 - c) lowering the pH, ionic concentration, surfactant level, or a combination thereof, to solubilize the polymer film and release the material into the aqueous environment.